

Anybus CompactCom 40 Module M12 EtherCAT

Item number: AB6645-C

The Anybus CompactCom 40 M12 - EtherCAT is a communication interface that can be embedded into any industrial device or machine to enable communication with EtherCAT networks. The module version includes network connectors to simplify installation, helping you achieve a fast time to market.



Enable communication between industrial devices and EtherCAT networks

Features and benefits

- ✓ **High performance**
Powered by the award-winning NP40 network processor, the Anybus CompactCom guarantees fast data transfer and low latency, making it ideal for the most demanding industrial applications.
- ✓ **Quick time to market**
HMS provides comprehensive support throughout the integration journey, ensuring a quick time to market.
- ✓ **Life cycle management**
HMS maintains every part of the Anybus CompactCom, including network updates, throughout the product's lifecycle.
- ✓ **Easy to install**
Installing the Anybus CompactCom module is a breeze—simply slide it into the host slot. This user-friendly process can be completed by the end-user.
- ✓ **Versatile Event-Based Hardware Interfaces**
Enjoy fast and flexible event-based application hardware interfaces with the option to choose from 8/16-bit parallel or high-speed SPI, and I/O via the shift register interface.
- ✓ **ETG pre-certified**
Pre-certified with ETG for network compliance, enabling faster network certification.
- ✓ **Complete communication interface**
The Anybus CompactCom module is a complete communication interface, equipped with connectors that simplify integration. Enjoy an all-in-one solution with easy interchangeability.
- ✓ **Robust Security Measures**
Mandatory software signatures prevent unauthorized downloads to the Anybus CompactCom, while robust encryption techniques safeguard against illicit copying.



General

Net Weight (g)	44
Packed Weight (g)	44
Operating Temperature °C Min	-40
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Current Consumption Class (CompactCom series)	B
Input Voltage (V)	3.3 VDC, +/- 0.15 VDC
Application Interface	8/16-bit parallel (30 ns access) High speed SPI, baudrate configurable up to 20 MHz I/O (shift register interface, cyclical update time 82 µs) UART (for backwards compatibility with 30-series, max 625kbps)
Isolation	Galvanic Isolation
Content of Delivery	CompactCom M40 M12 module
Mounting	PCB mounting via a customized CompactFlash connector
Warranty (years)	1 year

Identification and Status

Product ID	AB6645-C
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99
Supply Risk Factor ERP	Used in Volume 01

Physical Features

Connectors / Input / Output	2x M12
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Physical Features

LED Indicators	Integrated on front. Indicates Module Status, Network Status and Link/Activity.
Form Factor	Module

Certifications and Standards

UL Information	E214107
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